

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A display, comprising:

a display lightguide, on which a shape of a display character is formed in three dimensions;

a light source, emitting a light toward the display lightguide; and

~~a light collection portion, provided between the light source and the display lightguide, and having a light reflection face formed like a parabolic face which employs a straight line as an axis thereof perpendicular to a light receiving face of the display lightguide as an axis thereof, said light collection portion and said light reflection face thereof being positioned between the light source and the display light guide, wherein said light reflecting face reflects light from the light source toward the display light guide.~~

Claim 2 (withdrawn): The display as set forth in claim 1, further comprising a light diffusion member, provided between the display lightguide and the light collection portion.

Claim 3 (withdrawn): The display as set forth in claim 1, further comprising a blocking member, placed to a front side of the display lightguide, and having a hole portion which is formed so as to correspond to the shape of the display character.

Claim 4 (withdrawn): The display as set forth in claim 1, wherein the light collection portion includes a light collection lightguide; and

wherein an outer side face of the light collection lightguide is formed like the parabolic face as the light reflection face.

Claim 5 (original): The display as set forth in claim 1, wherein the light collection portion having a hole or a groove provided therein; and

wherein an inner side face of the hole or the groove formed in the light collection portion is formed like the parabolic face as the light reflection face.

Claim 6 (original): The display as set forth in claim 1, wherein a display segment is formed on the display lightguide as the display character, and

wherein the light reflection face is formed by moving a parabola, which is included in a section of the parabolic face, in a direction perpendicular to a face formed by the parabola and the axis without changing a shape of the parabola.

Claim 7 (withdrawn): The display as set forth in claim 1, wherein a display segment is formed on the display lightguide as the display character, and

wherein the light reflection face is formed by moving a parabola, which is included in a section of the parabolic face, in a direction perpendicular to a face formed by the parabola and the axis while continuously changing a gradient of the parabola, so that a shape drawn by each of ends of the parabola during the parabola is moved almost coincides with a shape of each of longer-side ends of the display segment.

Claim 8 (withdrawn): The display as set forth in claim 1, wherein a display segment is formed on the display lightguide as the display character, and

wherein the light reflection face is formed by moving a parabola, which is included in a section of the parabolic face, in a direction perpendicular to a face formed by the parabola and the axis while intermittently changing a gradient of the parabola, so that a shape drawn by each

of ends of the parabola during the parabola is moved almost coincides with a shape of each of longer-side ends of the segment.

Claim 9 (withdrawn): The display as set forth in claim 1, further comprising a substrate on which the light source is provided,
wherein the light collection portion is fixed on the substrate.

Claim 10 (withdrawn) The display as set forth in claim 1, wherein a plurality of the light sources is formed; and
wherein a plurality of the display characters are respectively formed so as to correspond to the light sources;

wherein the light collection portion has a light blocking member which has a plurality of through holes penetrating through from a rear face thereof to a front face thereof, the through holes corresponding to the display characters respectively; and
wherein the light reflection face is provided in each of the through holes.

Claim 11 (currently amended): A light collection member for collecting an irradiated light from a light source, and irradiating the corrected light to a display face so that a segment portion of the display face is illuminated, comprising:

a light collection portion, including a light reflection face, shaped like a parabolic face
having a section which includes a parabola,

wherein the parabolic face of the light reflection face is formed by moving the parabola in a direction perpendicular to a face formed by the parabola and an axis thereof without changing a shape of the parabola.

wherein the light collection portion has a hole or a groove provided therein; and
wherein an inner side face of the hole or the groove formed in the light collection portion
is formed like the parabolic face as the light reflection face.

Claim 12 (withdrawn): A light collection member for collecting an irradiated light from a light source, and irradiating the corrected light to a display face so that a segment portion of the display face is illuminated, comprising:

a light reflection face, shaped like a parabolic face having a section which includes a parabola,

wherein the parabolic face of the light reflection face is formed by moving the parabola in a direction perpendicular to a face formed by the parabola and an axis thereof while continuously changing a gradient of the parabola, so that a shape drawn by each of ends of the parabola during the parabola is moved almost coincides with a shape of each of longer-side ends of the segment portion.

Claim 13 (withdrawn): A light collection member for collecting an irradiated light from a light source, and irradiating the corrected light to a display face so that a segment portion of the display face is illuminated, comprising:

 a light reflection face, shaped like a parabolic face having a section which includes a parabola,

 wherein the parabolic face of the light reflection face is formed by moving the parabola in a direction perpendicular to a face formed by the parabola and an axis thereof while intermittently changing a gradient of the parabola, so that a shape drawn by each of ends of the parabola during the parabola is moved almost coincides with a shape of each of longer-side ends of the segment portion.

Claim 14 (withdrawn): A light diffusion member for diffusing a light to be irradiated into a display member, the display member having a plurality of display characters which are illuminated by the light, comprising:

 a plurality of light diffusion portions, disposed so as to correspond to the display characters; and

 a connection portion, connecting the diffusion portions to one another.

Claim 15 (withdrawn): The light diffusion member as set forth in claim 14,
wherein when at least four display segments are placed as the display characters on four sides
surrounding a space, at least four diffusion portions is placed on four sides surrounding a space
so as to respectively correspond to the four display segments; and

wherein the connection portion is formed so as to extend from a nearly center of the
space surrounded by the diffusion portions to each of the diffusion portions.

Claim 16 (withdrawn): The light diffusion member as set forth in claim 15,
wherein the connection portion has a plurality of extending parts respectively extending from the
nearly center to the diffusion portions; and
wherein the extending parts have differently curves respectively.

Claim 17 (withdrawn): The light diffusion member as set forth in claim 14,
wherein the display member has a plurality of display lightguides, each display lightguide having
the display character formed in three dimensions; and
wherein the light diffusion member is integrally formed with the display lightguides.

Claim 18 (withdrawn): The light diffusion member as set forth in claim 17, wherein the light diffusion member is integrally formed with the display lightguides by injecting a forming agent for forming the display lightguides into a mold for the display lightguides, during a state in which the light diffusion member is inserted into the mold.

Claim 19 (withdrawn): The light diffusion member as set forth in claim 17, wherein the light diffusion member is integrally formed with the display lightguides by two-color forming using a forming agent for forming the light diffusion member and a forming agent for forming the display lightguides.

Claim 20 (withdrawn): A light diffusion member for diffusing a light to be irradiated into a display member, the display member having a plurality of display characters which are illuminated by the light, comprising:

a light blocking portion provided at a position corresponding to a boundary portion between adjacent display characters.

Claim 21 (withdrawn): The light diffusion member as set forth in claim 20, wherein the light blocking portion is either a concave portion or a convex portion formed on the light diffusion member.

Claim 22 (withdrawn): The light diffusion member as set forth in claim 20,
wherein the display member has a plurality of display lightguides, each display lightguide having
the display character formed in three dimensions; and
wherein the light diffusion member is integrally formed with the display lightguides.

Claim 23 (withdrawn): The light diffusion member as set forth in claim 22,
wherein the light diffusion member is integrally formed with the display lightguides by injecting
a forming agent for forming the display lightguides into a mold for the display lightguides,
during a state in which the light diffusion member is inserted into the mold.

Claim 24 (withdrawn): The light diffusion member as set forth in claim 22,
wherein the light diffusion member is integrally formed with the display lightguides by two-
color forming using a forming agent for forming the light diffusion member and a forming agent
for forming the display lightguides.

Claim 25 (withdrawn): A display comprising:
a light source, irradiating a light;

a light diffusion member, having a plurality of diffusion portions which diffuse the light from the light source, and having a curved connection portion which connects the diffusion portions; and

a display portion, having a plurality of display characters to be illuminated by the diffused light,

wherein the diffusion portions are placed so as to correspond to the display characters respectively.

Claim 26 (withdrawn): A display comprising:
a light source, irradiating a light;
a light diffusion member, diffusing the light from the light source; and
a display portion, having a plurality of display characters to be illuminated by the diffused light,

wherein a light blocking portion is formed on the light diffusion member so as to correspond to a boundary portion between adjacent display characters.

Claim 27 (withdrawn): The display as set forth in claim 26, wherein the light blocking portion is either a concave portion or a convex portion formed on the light diffusion member.

Claim 28 (withdrawn): A display member, comprising:
a display lightguide, provided with a convex portion having a top face shaped into a display character,

wherein a light diffusion processing is performed on at least one of the top face and a side face of the convex portion.

Claim 29 (withdrawn): A display member, comprising:
a display lightguide, provided with a convex portion having a top face shaped into a display character,

wherein a side face of the convex portion is tapered off toward the top face of the convex portion.

Claim 30 (withdrawn): A display member, comprising:
a display lightguide, provided with a convex portion having a top face shaped into a display character,

wherein a light diffusion processing is performed on a bottom face opposed to the top face of the convex portion in the display lightguide.

Claim 31 (withdrawn): A display member, comprising:
a display lightguide, provided with a convex portion having a top face shaped into a display character in three dimensions,

wherein the convex portion is provided in a concave portion formed on the display member.

Claim 32 (withdrawn): A display member, comprising:

a plurality of display lightguides, respectively provided with convex portions, each convex portion having a top face shaped into a display character in three dimensions; and a dark member, connecting the display lightguides to one another.

Claim 33 (withdrawn): A display member, comprising:

a display lightguide, provided with a convex portion having a top face shaped into a display character in three dimensions,

wherein at least a part of the convex portion is comprised of a colored part.

Claim 34 (withdrawn): A display comprising:

a display member, including a display lightguide which is provided with a convex portion having a top face shaped into a display character; and

a light source, emitting a light to the display member,

wherein a light diffusion processing is performed on at least one of the top face and a side face of the convex portion